## (19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 6 October 2005 (06.10.2005)

**PCT** 

## (10) International Publication Number WO 2005/092091 A1

(51) International Patent Classification<sup>7</sup>:

A01L 1/02

(21) International Application Number:

PCT/SE2005/000463

(22) International Filing Date: 29 March 2005 (29.03.2005)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

0400846-2

29 March 2004 (29.03.2004) SE

- (71) Applicant (for all designated States except US): SVEN-SKA ELITSKON AB [SE/SE]; Tulegatan 4, S-903 26 Umeå (SE).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): LUNDQVIST, Erik [SE/SE]; Stöcke 442, S-905 81 Umeå (SE).
- (74) Agent: DR LUDWIG BRANN PATENTBYRÅ AB; Box 17192, S-104 62 Stockholm (SE).

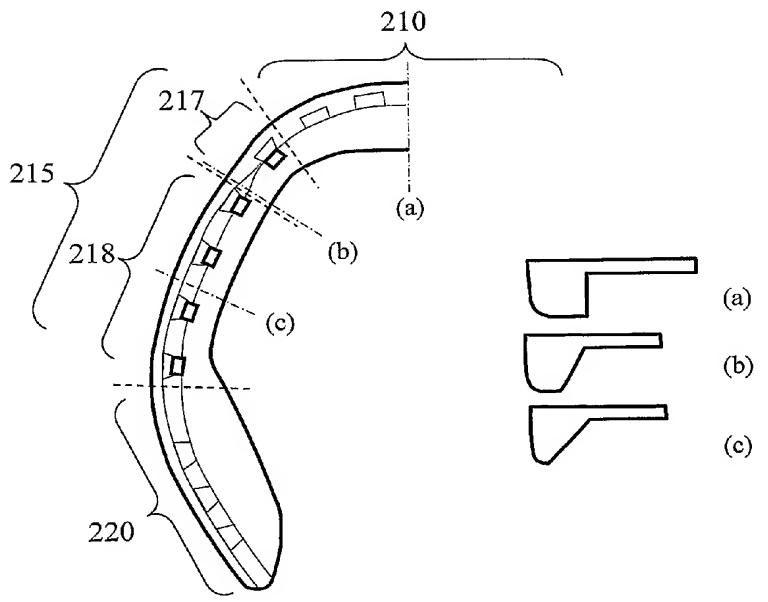
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

## **Published:**

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: HORSESHOE



(57) Abstract: The invention relates to a horseshoe which is compliant with the natural expansion and relative movement of the hoof of the horse during the hoof's impact with the ground surface. The horseshoe 200 according to the invention is made of a solid homogenous metal. The horseshoe comprises a toe section 210, two side sections 215 and two heel sections 220. At least one bending articulation region 216 is provided in each side section 215, said articulation regions realized by a local structural weakening of the horseshoe 200. According to one embodiment of the invention the horseshoe is provided with a ridge 225. The ridge has a first shape (a) in the toe section and a second shape (b) in the side sections wherein the second shape have a smaller cross sectional area than the first shape, the transitions forming the structural weakening.